

ASBESTOS ASSES. SURVEY

H-K Building #: 27  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/28/89  
Inspector: MARK VOTH

Building Number: 27  
Building Name: HOT WATER HOUSE  
SEATTLE, WASHINGTON 98134  
Building Type: PUMP HOUSE  
Year Constructed: UNKN

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southwest corner-near small exchanger	00-356556	40%	pipe covering	OMA	1 ft.	4 in. O.D.	DW	22	III	\$9	\$6	\$15
near large exchanger-along ceiling	00-356556	40%	pipe covering	OMA	12 ft.	8 in. O.D.	DW	22	III	\$170	\$121	\$291
near large exchanger-near floor	00-356556	40%	pipe covering	OMA	23 ft.	10 in. O.D.	DW	22	III	\$434	\$321	\$755
near large exchanger-near floor	00-356556	40%	pipe covering	OMA	2 ft.	8 in. O.D.	DW	22	III	\$28	\$20	\$48
near large exchanger-along ceiling	00-356556	40%	pipe covering	OMA	10 ft.	10 in. O.D.	DW	22	III	\$189	\$140	\$329
near large exchanger-along ceiling	00-356560	40%	pipe covering	OMA	23 ft.	6 in. O.D.	HPS/R	22	III	\$299	\$187	\$486
S wall-above pumps & condensate tank	00-356560	40%	pipe covering	OMA	46 ft.	4 in. O.D.	HPS/R					
near large exchanger-near floor	00-356560	40%	pipe covering	OMA	22 ft.	4 in. O.D.	HPS/R	22	III	\$196	\$123	\$
near large exchanger-along ceiling	00-356560	40%	pipe covering	OMA	12 ft.	4 in. O.D.	HPS/R	22	III	\$107	\$67	\$174
near large exchanger-along ceiling	00-356560	40%	pipe covering	OMA	1 ft.	8 in. O.D.	HPS/R	22	III	\$14	\$10	\$24
southwest corner-near small exchanger	00-356560	40%	pipe covering	OMA	22 ft.	4 in. O.D.	HPS/R	22	III	\$196	\$123	\$319
near large exchanger-near floor	01-356557	45%	mjp on pipe covering	OMA	1 8 in.	O.D.	DW	22	III	\$48	\$28	\$76
southwest corner-near small exchanger	01-356557	45%	mjp on pipe covering	OMA	5 4 in.	O.D.	DW	22	III	\$140	\$78	\$218
near large exchanger-along ceiling	01-356557	45%	mjp on pipe covering	OMA	3 8 in.	O.D.	DW	22	III	\$144	\$85	\$229
near large exchanger-along ceiling	01-356557	45%	mjp on pipe covering	OMA	2 10 in.	O.D.	DW	22	III	\$125	\$78	\$203
near large exchanger-near floor	01-356557	45%	mjp on pipe covering	OMA	4 10 in.	O.D.	DW	22	III	\$250	\$156	\$406
	01-356558	50%						22	III			
	01-356559	15%						22	III			
near large exchanger-along ceiling	02-356561	6%	mjp on pipe covering	OMA	7 4 in.	O.D.	HPS/R	22	III	\$197	\$109	\$306
S wall-above pumps & condensate tank	02-356561	6%	mjp on pipe covering	OMA	8 4 in.	O.D.	HPS/R	22	III	\$225	\$125	\$350
near large exchanger-near floor	02-356561	6%	mjp on pipe covering	OMA	11 4 in.	O.D.	HPS/R	22	III	\$309	\$172	\$481
southwest corner-near small exchanger	02-356561	6%	mjp on pipe covering	OMA	10 4 in.	O.D.	HPS/R	22	III	\$281	\$156	\$437
near large exchanger-along ceiling	02-356561	6%	mjp on pipe covering	OMA	5 6 in.	O.D.	HPS/R	22	III	\$193	\$114	\$307
	02-356562	20%						22	III			
	02-356563	2%						22	III			
northwest corner-near floor	03-356564	0%	mjp on non-suspect pipe cover	OMA	2 4 in.	O.D.	DW					
	03-356565	0%										
	03-356566	0%										
near center-above pump	04-356567	30%	boiler/tank insulation	OMB	70 sq.ft.			22	III	\$1,978	\$1,584	\$3,562
	04-356568	45%						22	III			
	04-356569	50%						22	III			
southwest corner-on wall	05-356570	0%	boiler/tank insulation	OMB	8 sq.ft.							
	05-356571	0%										
	05-356572	0%										

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 27  
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 Inspector: MARK VOTH

Building Number: 27  
 Building Name: HOT WATER HOUSE  
 SEATTLE, WASHINGTON 98134  
 Building Type: PUMP HOUSE  
 Year Constructed: UNKN

AREA COMMENTS

The materials are in good to fair condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 01	TOTAL	\$5,532	\$3,803	\$9,335
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BUILDING # 27	TOTAL	\$5,532	\$3,803	\$9,335
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ASBESTOS ASSESSMENT SURVEY

H-K Building #: 33  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/28/89  
Inspector: CURT BAXTER

Building Number: 33  
Building Name: WAREHOUSE  
SEATTLE, WASHINGTON 98134  
Building Type: WAREHOUSE  
Year Constructed: 1954

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 58%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
N & S-at E wall-above electric shop	00-356183	65%	pipe covering	OMA	60 ft.	4 in. O.D.	LPS/R	34	III	\$535	\$335	\$870
above women's break room	00-356183	65%	pipe covering	OMA	30 ft.	8 in. O.D.	LPS/R	34	III	\$424	\$303	\$727
running N & S thru center-NW corner	00-356183	65%	pipe covering	OMA	80 ft.	4 in. O.D.	LPS/R	34	III	\$714	\$446	\$1,160
running N & S thru center-NW corner	00-356183	65%	pipe covering	OMA	340 ft.	8 in. O.D.	LPS/R	34	III	\$4,811	\$3,437	\$8,248
above women's break room	00-356183	65%	pipe covering	OMA	22 ft.	6 in. O.D.	LPS/R	34	III	\$286	\$178	\$464
above women's break room	00-356183	65%	pipe covering	OMA	50 ft.	4 in. O.D.	LPS/R	34	III	\$446	\$279	\$725
above women's break room	00-356190	30%	wrapped cardboard/paper pipe	OMA	40 ft.	2 in. O.D.	DW	34	III	\$357	\$223	\$580
above women's break room	01-356184	60%	mjp on pipe covering	OMA	12	4 in. O.D.	LPS/R	34	III	\$337	\$187	\$524
running N & S thru center-NW corner	01-356184	60%	mjp on pipe covering	OMA	8	4 in. O.D.	LPS/R	34	III	\$225	\$125	\$350
running N & S thru center-NW corner	01-356184	60%	mjp on pipe covering	OMA	45	8 in. O.D.	LPS/R	34	III	\$2,166	\$1,273	\$3,439
above women's break room	01-356184	60%	mjp on pipe covering	OMA	5	8 in. O.D.	LPS/R	34	III	\$241	\$141	\$382
N & S-at E wall-above electric shop	01-356184	60%	mjp on pipe covering	OMA	4	4 in. O.D.	LPS/R	34	III	\$112	\$62	\$174
above women's break room	01-356184	60%	mjp on pipe covering	OMA	14	6 in. O.D.	LPS/R	34	III	\$542	\$318	\$860
	01-356185	65%						34	III			
	01-356186	70%						34	III			
along east wall-at ceiling-running N & S	02-356187	10%	mjp on non-suspect pipe cover	OMA	15	8 in. O.D.	HPS/R	34	III	\$722	\$424	\$1,146
	02-356188	10%						34	III			
	02-356189	10%						34	III			
above women's break room	03-356191	75%	mjp on wrapped cardboard/paper	OMA	14	2 in. O.D.	DW	34	III	\$393	\$219	\$612
	03-356192	70%						34	III			
	03-356193	70%						34	III			
above women's break room-SE corner	04-356194	65%	boiler/tank insulation	OMB	4	sq.ft.		34	III	\$113	\$91	\$204
	04-356195	70%						34	III			
	04-356196	65%						34	III			

AREA COMMENTS

The materials are in good condition. The materials are approximately 8' to 40' from the floor. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$12,424 \$8,041 \$20,465

*****	AREA NUMBER: 02	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 40%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
above women's break room-center of area	08-356301	40%	debris	OMF	6	sq.ft.		85	I	\$100	\$0	\$100
	08-356302	40%						85	I			
	08-356303	40%						85	I			

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Building Number: 33  
Building Name: WAREHOUSE  
SEATTLE, WASHINGTON 98134  
Building Type: WAREHOUSE  
Year Constructed: 1954

AREA COMMENTS

This debris consisted of sections of magnesite pipe lagging that are not crushed or broken. It is recommended, however, that the debris be removed as soon as possible, using gross removal procedures.

AREA # 02 TOTAL \$100 \$0 \$100

\*\*\*\*\* AREA NUMBER: 03 AREA DESCRIPTION: Parts Storage, QC Office & Utility Wash AREA AVERAGE % ASBESTOS: 33% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
ent to store rm-landing-ladies' break rm east wall-at entrance to utility wash rm east wall-at entrance to utility wash rm	00-356183	65%	pipe covering	OMA	8 ft. 4 in.	O.D. LPS/R	24	III		\$71	\$45	\$116
	00-356190	30%	wrapped cardboard/paper pipe	OMA	12 ft. 4 in.	O.D. DW	24	III		\$107	\$67	\$174
	03-356191	75%	mjp on wrapped cardboard/paper	OMA	5 4 in.	O.D. DW	24	III		\$140	\$78	\$218
	03-356192	70%					24	III				
ceilings throughout	03-356193	70%					24	III				
	06-356304	0%	acoustical tile	OMG	160 sq.ft.							
	06-356305	0%										
ceilings throughout	06-356306	0%										
	07-356307	0%	acoustical tile	OMG	80 sq.ft.							
	07-356308	0%										
	07-356309	0%										

AREA COMMENTS

The materials are in good condition with little or no contact and water damage. The materials are approximately 4' to 8' from the floor. At a minimum, it is recommended that the materials be repaired, then maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 03 TOTAL \$318 \$190 \$508

\*\*\*\*\* AREA NUMBER: 04 AREA DESCRIPTION: 2nd Floor AREA AVERAGE % ASBESTOS: 0% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
ladies' break room-ceiling	05-356197	0%	acoustical tile	OMG	300 sq.ft.							
	05-356198	0%										
	05-356199	0%										

AREA COMMENTS

AREA # 04 TOTAL \$0 \$0 \$0

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 33  
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 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/28/89  
 Inspector: CURT BAXTER

Building Number: 33  
 Building Name: WAREHOUSE  
 SEATTLE, WASHINGTON 98134  
 Building Type: WAREHOUSE  
 Year Constructed: 1954

BUILDING # 33	TOTAL	\$12,842	\$8,231	\$21,073
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ASBESTOS ASSESS. SURVEY

H-K Building #: 35  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

***** AREA NUMBER: 01 AREA DESCRIPTION: Basement AREA AVERAGE % ASBESTOS: 48% *****												
LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along west tank-at columns	00-356009	70%	pipe covering	OMA	4 ft. 4 in.	O.D. HPS/R	24	111		\$36	\$22	\$58
beer pump room-SE corner-at ceiling	00-356009	70%	pipe covering	OMA	1 ft. 6 in.	O.D. HPS/R	24	111		\$13	\$8	\$21
center east to west-along ceiling	00-356009	70%	pipe covering	OMA	20 ft. 8 in.	O.D. HPS/R	24	111		\$283	\$202	\$485
center east to west-along ceiling	00-356009	70%	pipe covering	OMA	2 ft. 6 in.	O.D. HPS/R	24	111		\$26	\$16	\$42
near north end-at condensate tank	00-356009	70%	pipe covering	OMA	15 ft. 4 in.	O.D. HPS/R	24	111		\$134	\$84	\$218
near north end-along ceiling	00-356009	70%	pipe covering	OMA	40 ft. 6 in.	O.D. HPS/R	24	111		\$519	\$324	\$843
center north to south-along ceiling	00-356009	70%	pipe covering	OMA	30 ft. 4 in.	O.D. HPS/R	24	111		\$268	\$167	\$435
near north end-condensate tank	01-356000	20%	boiler/tank insulation	OMB	80 sq.ft.				24 111	\$2,260	\$1,810	\$4,070
	01-356001	20%							24 111			
	01-356002	20%							24 111			
southwest corner-at wall	02-356003	10%	mjp on non-suspect pipe cover	OMA	3 8 in.	O.D. DW	24	111		\$144	\$85	\$229
southwest corner-at wall	02-356003	10%	mjp on non-suspect pipe cover	OMA	3 6 in.	O.D. DW	24	111		\$116	\$68	\$184
southwest corner-along ceiling	02-356003	10%	mjp on non-suspect pipe cover	OMA	2 8 in.	O.D. DW	24	111		\$96	\$57	\$153
southwest corner-along ceiling	02-356003	10%	mjp on non-suspect pipe cover	OMA	3 6 in.	O.D. DW	24	111		\$116	\$68	\$184
near east wall-along ceiling	02-356003	10%	mjp on non-suspect pipe cover	OMA	10 4 in.	O.D. DW	24	111		\$281	\$156	\$437
stock cellar-southwest corner-above door	02-356003	10%	mjp on non-suspect pipe cover	OMA	1 4 in.	O.D. DW	24	111		\$28	\$16	\$44
southwest corner-along ceiling	02-356003	10%	mjp on non-suspect pipe cover	OMA	4 4 in.	O.D. DW	24	111		\$112	\$62	\$174
	02-356004	10%							24 111			
	02-356005	10%							24 111			
along west tank-at columns	03-356006	20%	mjp on non-suspect pipe cover	OMA	8 4 in.	O.D. HPS/R	24	111		\$225	\$125	\$350
near north end-along ceiling	03-356006	20%	mjp on non-suspect pipe cover	OMA	6 6 in.	O.D. HPS/R	24	111		\$232	\$136	\$368
near north end-along ceiling	03-356006	20%	mjp on non-suspect pipe cover	OMA	12 4 in.	O.D. HPS/R	24	111		\$337	\$187	\$524
near north end-at condensate tank	03-356006	20%	mjp on non-suspect pipe cover	OMA	6 4 in.	O.D. HPS/R	24	111		\$169	\$94	\$263
center north to south-along ceiling	03-356006	20%	mjp on non-suspect pipe cover	OMA	3 6 in.	O.D. HPS/R	24	111		\$116	\$68	\$184
near north end-at header	03-356006	20%	mjp on non-suspect pipe cover	OMA	9 4 in.	O.D. HPS/R	24	111		\$253	\$140	\$393
	03-356007	20%							24 111			
	03-356008	20%							24 111			
center east to west-along ceiling	04-356010	0%	mjp on pipe covering	OMA	2 8 in.	O.D. HPS/R	24	111		\$96	\$57	\$153
beer pump room-SE corner-at ceiling	04-356010	0%	mjp on pipe covering	OMA	1 6 in.	O.D. HPS/R	24	111		\$39	\$23	\$62
center north to south-along ceiling	04-356010	0%	mjp on pipe covering	OMA	1 4 in.	O.D. HPS/R	24	111		\$28	\$16	
near north end-along ceiling	04-356010	0%	mjp on pipe covering	OMA	4 6 in.	O.D. HPS/R	24	111		\$155	\$91	
near north end-at condensate tank	04-356010	0%	mjp on pipe covering	OMA	6 4 in.	O.D. HPS/R	24	111		\$169	\$94	\$263
center east to west-along ceiling	04-356010	0%	mjp on pipe covering	OMA	1 6 in.	O.D. HPS/R	24	111		\$39	\$23	\$62
	04-356011	10%							24 111			
	04-356012	20%							24 111			
near north end-at header	05-356013	40%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D. DR	24	111		\$155	\$91	\$246
	05-356014	20%							24 111			
	05-356015	30%							24 111			

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 35  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are up to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a moderate traffic area.

AREA # 01 TOTAL \$6,445 \$4,290 \$10,735

\*\*\*\*\* AREA NUMBER: 02

AREA DESCRIPTION: 1st Floor

AREA AVERAGE % ASBESTOS: 19%

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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
N half of bldg-center & perimeter risers	00-356025	20%	pipe covering	OMA	80 ft.	4 in. O.D.	LPS/R	26	III	\$714	\$446	\$1
N half of bldg-along E wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	10 6	in. O.D.	LPS/R	26	III	\$387	\$227	\$614
N half of bldg-along W wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	10 4	in. O.D.	LPS/R	26	III	\$281	\$156	\$437
N half of bldg-along N wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	30 4	in. O.D.	LPS/R	26	III	\$843	\$468	\$1,311
N half of bldg-along S wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	12 4	in. O.D.	LPS/R	26	III	\$337	\$187	\$524
N half of bldg-along E wall-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	6 4	in. O.D.	LPS/R	26	III	\$169	\$94	\$263
	07-356020	20%						26	III			
	07-356021	20%						26	III			
N half of bldg-along W wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12 4	in. O.D.	DW	26	III	\$337	\$187	\$524
N half of bldg-along S wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	10 6	in. O.D.	DW	26	III	\$387	\$227	\$614
N half of bldg-along N wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	14 4	in. O.D.	DW	26	III	\$393	\$219	\$612
N half of bldg-along E wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12 4	in. O.D.	DW	26	III	\$337	\$187	\$524
N half of bldg-along S wall-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	12 4	in. O.D.	DW	26	III	\$337	\$187	\$524
	08-356023	30%						26	III			
	08-356024	20%						26	III			
N half of bldg-center & perimeter risers	09-356026	20%	mjp on pipe covering	OMA	35 4	in. O.D.	LPS/R	26	III	\$983	\$546	\$1,529
	09-356027	20%						26	III			
	09-356028	20%						26	III			
N half of bldg-along south & north walls	10-356029	20%	mjp on non-suspect pipe cover	OMA	8 6	in. O.D.	DR	26	III	\$309	\$182	\$491
	10-356030	20%						26	III			
	10-356031	0%						26	III			

AREA COMMENTS

The materials are in fair condition with moderate contact and water damage. The materials are approximately 2' to 18' from the floor. At a minimum, it is recommended that the materials be repaired, then monitored through a maintenance program. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 02 TOTAL \$5,814 \$3,313 \$9,127

ASBESTOS ASSESSMENT SURVEY

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 Inspector: BAXTER & VOTH

Building Number: 35  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: FOOD PROC.  
 Year Constructed: 1955

*****	AREA NUMBER: 03	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 21%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
north half of building-men's break room	00-356025	20%	pipe covering	OMA	40 ft.	4 in. O.D.	LPS/R	25	111	\$357	\$223	\$580
north half of building-men's locker room	07-356019	10%	mjp on non-suspect pipe cover	OMA	13	4 in. O.D.	LPS/R	25	111	\$365	\$203	\$568
north half of building-men's break room	07-356019	10%	mjp on non-suspect pipe cover	OMA	11	4 in. O.D.	LPS/R	25	111	\$309	\$172	\$481
	07-356020	20%						25	111			
	07-356021	20%						25	111			
north half of building-men's locker room	08-356022	30%	mjp on non-suspect pipe cover	OMA	22	4 in. O.D.	DW	25	111	\$618	\$343	\$961
	08-356023	30%						25	111			
	08-356024	20%						25	111			
north half of building-men's break room	09-356026	20%	mjp on pipe covering	OMA	8	4 in. O.D.	LPS/R	25	111	\$225	\$125	\$350
	09-356027	20%						25	111			
	09-356028	20%						25	111			

AREA COMMENTS

AREA # 03 TOTAL \$1,874 \$1,066 \$2,940

The materials are in good condition with minor contact and water damage. The materials are approximately 8' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 04	AREA DESCRIPTION: 1st Floor-South Half Of Building	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
NW corner-above entrance near soap tank	06-356016	0%	debris	OMF	6	sq.ft.						
	06-356017	0%										
	06-356018	0%										

AREA COMMENTS

AREA # 04 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 05	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 50%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
men's break rm-inside air handling unit	00-356032	50%	vibration joint cloth	OMZ	2	sq.ft.		23	111	\$27	\$14	\$41



ASBESTOS ASSES SURVEY

H-K Building #: 35  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

AREA COMMENTS

AREA # 05 TOTAL \$27 \$14 \$41

The material is in good condition with minor contact and water damage. The material is approximately 4' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a moderate traffic area.

\*\*\*\*\* AREA NUMBER: 06 AREA DESCRIPTION: 1st Floor AREA AVERAGE % ASBESTOS: 32% \*\*\*\*\*

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
S half-along N & S walls-at ceiling	00-356033	40X	pipe covering	OMA	40 ft.	4 in. O.D.	LPS/R	24	111	\$357	\$223	
S half-ctr-above machines & conveyors	00-356033	40X	pipe covering	OMA	150 ft.	8 in. O.D.	HPS/R	24	111	\$2,122	\$1,516	\$3,638
N half of bldg-along E wall-near ceiling	00-356033	40X	pipe covering	OMA	155 ft.	10 in. O.D.	HPS/R	24	111	\$2,925	\$2,165	\$5,090
S half-along N & S walls-at ceiling	00-356033	40X	pipe covering	OMA	60 ft.	6 in. O.D.	LPS/R	24	111	\$779	\$487	\$1,266
S half-ctr-above machines & conveyors	00-356033	40X	pipe covering	OMA	405 ft.	4 in. O.D.	HPS/R	24	111	\$3,613	\$2,260	\$5,873
S half-along N & S walls-at ceiling	00-356033	40X	pipe covering	OMA	125 ft.	8 in. O.D.	LPS/R	24	111	\$1,769	\$1,264	\$3,033
S half-NW corner-above soap tank-N wall	07-356019	10X	mjp on non-suspect pipe cover	OMA	12	6 in. O.D.	LPS/R	24	111	\$464	\$273	\$737
S half-NW corner-above soap tank-N wall	07-356019	10X	mjp on non-suspect pipe cover	OMA	15	4 in. O.D.	LPS/R	24	111	\$421	\$234	\$655
	07-356020	20X						24	111			
	07-356021	20X						24	111			
S half-SE corner-at ceiling-along S wall	10-356029	20X	mjp on non-suspect pipe cover	OMA	11	6 in. O.D.	DR	24	111	\$425	\$250	\$675
	10-356030	20X						24	111			
	10-356031	0X						24	111			
S half-along N & S walls-at ceiling	12-356034	20X	mjp on pipe covering	OMA	16	8 in. O.D.	LPS/R	24	111	\$770	\$453	\$1,223
S half-along N & S walls-at ceiling	12-356034	20X	mjp on pipe covering	OMA	2	4 in. O.D.	LPS/R	24	111	\$56	\$31	\$87
S half-ctr-above machines & conveyors	12-356034	20X	mjp on pipe covering	OMA	19	8 in. O.D.	HPS/R	24	111	\$914	\$538	\$1,452
S half-ctr-above machines & conveyors	12-356034	20X	mjp on pipe covering	OMA	68	4 in. O.D.	HPS/R	24	111	\$1,910	\$1,061	\$2,971
N half of bldg-along E wall-near ceiling	12-356034	20X	mjp on pipe covering	OMA	9	10 in. O.D.	HPS/R	24	111	\$563	\$352	\$915
S half-along N & S walls-at ceiling	12-356034	20X	mjp on pipe covering	OMA	9	6 in. O.D.	LPS/R	24	111	\$348	\$204	\$552
	12-356035	20X						24	111			
	12-356036	20X						24	111			

AREA COMMENTS

AREA # 06 TOTAL \$17,436 \$11,311 \$2 7

The materials are in fair condition with some contact and water damage. The materials are approximately 4' to 40' from the floor. At a minimum, it is recommended that the materials be repaired, then maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 35  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

*****	AREA NUMBER: 07	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near lunch room-northeast corner	13-356040	0%	acoustical tile	OMG	450 sq.ft.							
	13-356041	0%										
	13-356042	0%										

AREA COMMENTS	AREA # 07 TOTAL	\$0	\$0	\$0
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*****	AREA NUMBER: 08	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 22%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along east wall-southeast corner	00-356043	30%	pipe covering	OMA	16 ft. 4 in.	O.D. LPS/R	26	111		\$143	\$89	\$232
along east wall-at center	00-356043	30%	pipe covering	OMA	50 ft. 4 in.	O.D. LPS/R	26	111		\$446	\$279	\$725
along south wall-near center of wall	00-356043	30%	pipe covering	OMA	53 ft. 4 in.	O.D. LPS/R	26	111		\$473	\$296	\$769
along north wall-above conveyor belt	00-356043	30%	pipe covering	OMA	30 ft. 4 in.	O.D. LPS/R	26	111		\$268	\$167	\$435
along north wall-at northwest corner	07-356019	10%	mjp on non-suspect pipe cover	OMA	6 4 in.	O.D. LPS/R	26	111		\$169	\$94	\$263
	07-356020	20%					26	111				
	07-356021	20%					26	111				
along north wall-at northwest corner	10-356029	20%	mjp on non-suspect pipe cover	OMA	4 6 in.	O.D. DR	26	111		\$155	\$91	\$246
along north wall-adjacent to elevator	10-356029	20%	mjp on non-suspect pipe cover	OMA	2 6 in.	O.D. DR	26	111		\$77	\$45	\$122
along north wall-above conveyor belt	10-356029	20%	mjp on non-suspect pipe cover	OMA	6 6 in.	O.D. DR	26	111		\$232	\$136	\$368
	10-356030	20%					26	111				
	10-356031	0%					26	111				
along east wall-at center	14-356044	40%	mjp on pipe covering	OMA	8 4 in.	O.D. LPS/R	26	111		\$225	\$125	\$350
along east wall-southeast corner	14-356044	40%	mjp on pipe covering	OMA	10 4 in.	O.D. LPS/R	26	111		\$281	\$156	\$437
along north wall-above conveyor belt	14-356044	40%	mjp on pipe covering	OMA	5 4 in.	O.D. LPS/R	26	111		\$140	\$78	\$218
along south wall-near center of wall	14-356044	40%	mjp on pipe covering	OMA	5 4 in.	O.D. LPS/R	26	111		\$140	\$78	\$218
	14-356045	10%					26	111				
	14-356046	30%					26	111				
southwest corner-at entrance	15-356047	20%	mjp on non-suspect pipe cover	OMA	1 6 in.	O.D. DR	26	111		\$39	\$23	\$62
	15-356048	20%					26	111				
	15-356049	30%					26	111				
along east wall-southeast corner	16-356050	10%	mjp on non-suspect pipe cover	OMA	5 4 in.	O.D. DW	26	111		\$140	\$78	\$218
	16-356051	40%					26	111				
	16-356052	5%					26	111				
along south wall-near center of wall	17-356053	10%	mjp on non-suspect pipe cover	OMA	13 4 in.	O.D. LPS/R	26	111		\$365	\$203	\$568
	17-356054	10%					26	111				

ASBESTOS ASSESS SURVEY

H-K Building #: 35  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/23/89  
Inspector: BAXTER & VOTH

Building Number: 35  
Building Name: BOTTLING HOUSE  
SEATTLE, WASHINGTON  
Building Type: FOOD PROC.  
Year Constructed: 1955

	17-356055	10%	26 III
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AREA COMMENTS

AREA # 08 TOTAL \$3,293 \$1,938 \$5,231

The materials are in good condition with minor contact and water damage. The materials are approximately 4' to 20' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 09	AREA DESCRIPTION: 2nd Floor-Mezzanine Level	AREA AVERAGE % ASBESTOS: 20%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner-along south wall	00-356043	30%	pipe covering	OMA	24 ft.	4 in. O.D.	LPS/R	26	III	\$214	\$134	\$
south half of bldg-NE corner store room	07-356019	10%	mjp on non-suspect pipe cover	OMA	7	4 in. O.D.	LPS/R	26	III	\$197	\$109	\$306
mechanics shop-SW corner-at ceiling	07-356019	10%	mjp on non-suspect pipe cover	OMA	7	4 in. O.D.	LPS/R	26	III	\$197	\$109	\$306
	07-356020	20%						26	III			
	07-356021	20%						26	III			
mechanics shop-SW corner-at ceiling	08-356022	30%	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	DW	26	III	\$140	\$78	\$218
	08-356023	30%						26	III			
	08-356024	20%						26	III			
south wall-at southeast corner	15-356047	20%	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	DR	26	III	\$232	\$136	\$368
south wall-at southeast corner	15-356047	20%	mjp on non-suspect pipe cover	OMA	1	8 in. O.D.	DR	26	III	\$48	\$28	\$76
south half stairwell-northeast corner	15-356047	20%	mjp on non-suspect pipe cover	OMA	3	4 in. O.D.	DR	26	III	\$84	\$47	\$131
northeast corner of N packaging office	15-356047	20%	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	DR	26	III	\$56	\$31	\$87
N half-S wall-near center-at ceiling	15-356047	20%	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	DR	26	III	\$77	\$45	\$122
south wall-near center-at mezzanine fl	15-356047	20%	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	DR	26	III	\$155	\$91	\$246
N half-S wall-near center-at ceiling	15-356047	20%	mjp on non-suspect pipe cover	OMA	1	8 in. O.D.	DR	26	III	\$48	\$28	\$76
south wall-at southeast corner	15-356047	20%	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	DR	26	III	\$112	\$62	\$174
	15-356048	20%						26	III			
	15-356049	30%						26	III			
W wall of corridor-outside of QC lab	17-356053	10%	mjp on non-suspect pipe cover	OMA	7	4 in. O.D.	LPS/R	26	III	\$197	\$109	\$306
	17-356054	10%						26	III			
	17-356055	10%						26	III			

AREA COMMENTS

AREA # 09 TOTAL \$1,757 \$1,007 \$2,764

The material is in good condition with minor contact and water damage. The material is approximately 8' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

ASBESTOS ASSESMENT SURVEY

H-K Building #: 35  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: BAXTER & VOTH

Building Number: 35  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: FOOD PROC.  
 Year Constructed: 1955

*****	AREA NUMBER: 10	AREA DESCRIPTION: 2nd Floor-Mezzanine-Ceilings	AREA AVERAGE % ASBESTOS: 0X	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
bottling QC lab	18-356056	0X	drop or lay-in panel	OMG	125	sq.ft.						
	18-356057	0X										
	18-356058	0X										
packaging storeroom	19-356059	0X	acoustical tile	OMG	35	sq.ft.						
scheduling office	19-356059	0X	acoustical tile	OMG	144	sq.ft.						
north packaging office	19-356059	0X	acoustical tile	OMG	180	sq.ft.						
center packaging office	19-356059	0X	acoustical tile	OMG	168	sq.ft.						
south packaging office	19-356059	0X	acoustical tile	OMG	168	sq.ft.						
	19-356060	0X										
	19-356061	0X										

AREA COMMENTS

AREA # 10 TOTAL \$0 \$0 \$0

*****	AREA NUMBER: 11	AREA DESCRIPTION: 2nd Floor-Mezzanine Area	AREA AVERAGE % ASBESTOS: 15X	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
mezzanine-SE corner-above heater unit	20-356062	6X	debris	OMF	3	sq.ft.		62 I		\$100	\$0	\$100
	20-356063	10X						62 I				
	20-356064	30X						62 I				

AREA COMMENTS

AREA # 11 TOTAL \$100 \$0 \$100

The debris is located above the heater unit in the southeast corner. The debris should be removed. Gross removal procedures are recommended for removal.

BUILDING # 35 TOTAL \$36,746 \$22,939 \$59,685

H-K Building #: 36  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/28/89  
 Inspector: MARK VOTH

ASBESTOS ASSE. / SURVEY

Building Number: 36  
 Building Name: WAREHOUSE  
 SEATTLE, WASHINGTON 98134  
 Building Type: WAREHOUSE  
 Year Constructed: 1964

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 15%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along center-north to south-at ceiling	01-356177	15%	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	LPS/R	25	III	\$140	\$78	\$218
along center-north to south-at ceiling	01-356177	15%	mjp on non-suspect pipe cover	OMA	3	6 in. O.D.	LPS/R	25	III	\$116	\$68	\$184
along east wall-at ceiling	01-356177	15%	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	LPS/R	25	III	\$56	\$31	\$87
along east wall-at ceiling	01-356177	15%	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	LPS/R	25	III	\$309	\$182	\$491
	01-356178	20%						25	III			
	01-356179	15%						25	III			
along east wall-at ceiling	02-356180	10%	mjp on non-suspect pipe cover	OMA	9	4 in. O.D.	DR	25	III	\$253	\$140	\$393
along east wall-at ceiling	02-356180	10%	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	DR	25	III	\$155	\$91	
along west wall-at ceiling	02-356180	10%	mjp on non-suspect pipe cover	OMA	19	4 in. O.D.	DR	25	III	\$534	\$297	
along west wall-at ceiling	02-356180	10%	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	DR	25	III	\$155	\$91	\$246
	02-356181	15%						25	III			
	02-356182	10%						25	III			

AREA COMMENTS

The material is in good condition with minor contact and water damage. The material is approximately 12' to 15' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 01	TOTAL	\$1,718	\$978	\$2,696
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BUILDING # 36	TOTAL	\$1,718	\$978	\$2,696
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ASBESTOS ASSES. SURVEY

H-K Building #: 37  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/27/89  
 Inspector: CURT BAXTER

Building Number: 37  
 Building Name: PARTS  
 SEATTLE, WASHINGTON 98134  
 Building Type: GARAGE  
 Year Constructed: 1949

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Ceiling	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
throughout	02-356624	0%	acoustical tile	OMG	280	sq.ft.						
	02-356625	0%										
	02-356626	0%										

AREA COMMENTS	AREA # 01 TOTAL	\$0	\$0	\$0
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*****	AREA NUMBER: 02	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 9%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
center of room-between storage racks	01-356621	10%	mjp on non-suspect pipe cover	OMA	1	6 in. O.D.	DR	25	111	\$39	\$23	\$62
	01-356622	10%						25	111			
	01-356623	8%						25	111			

AREA COMMENTS	AREA # 02 TOTAL	\$39	\$23	\$62
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The material is in good condition with minor contact and water damage. The material is approximately 8' from the floor. At a minimum, it is recommended that the material be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

BUILDING # 37 TOTAL	\$39	\$23	\$62
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H-K Building #: 38  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: CURT BAXTER

ASBESTOS ASSES SURVEY

Building Number: 38  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: BOTTLING  
 Year Constructed: 1968

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 31%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&H CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near south bottle handler-along ceiling	00-356065	30%	pipe covering	OMA	25 ft.	4 in. O.D.	HPS/R	28	111	\$223	\$139	\$362
center north to south-along ceiling	00-356065	30%	pipe covering	OMA	110 ft.	4 in. O.D.	HPS/R	28	111	\$981	\$614	\$1,595
southeast corner-at steam header	00-356065	30%	pipe covering	OMA	65 ft.	4 in. O.D.	HPS/R	28	111	\$580	\$363	\$943
southeast corner-at steam header	00-356065	30%	pipe covering	OMA	5 ft.	8 in. O.D.	HPS/R	28	111	\$71	\$51	\$122
southeast corner-at steam header	00-356065	30%	pipe covering	OMA	30 ft.	10 in. O.D.	HPS/R	28	111	\$566	\$419	\$985
southeast corner-at steam header	00-356065	30%	pipe covering	OMA	17 ft.	12 in. O.D.	HPS/R	28	111	\$374	\$288	\$662
center east to west-along ceiling	00-356065	30%	pipe covering	OMA	25 ft.	4 in. O.D.	HPS/R	28	111	\$223	\$139	\$362
near south wall-along ceiling	00-356065	30%	pipe covering	OMA	40 ft.	6 in. O.D.	HPS/R	28	111	\$519	\$324	\$843
near south wall-along ceiling	00-356065	30%	pipe covering	OMA	50 ft.	4 in. O.D.	HPS/R	28	111	\$446	\$279	\$725
S wall of electric room-along ceiling	00-356065	30%	pipe covering	OMA	25 ft.	12 in. O.D.	HPS/R	28	111	\$551	\$423	\$974
along south wall-near east duct	00-356065	30%	pipe covering	OMA	40 ft.	4 in. O.D.	HPS/R	28	111	\$357	\$223	\$580
center north to south-along ceiling	00-356065	30%	pipe covering	OMA	60 ft.	12 in. O.D.	HPS/R	28	111	\$1,321	\$1,016	\$2,337
center north to south-along ceiling	00-356065	30%	pipe covering	OMA	20 ft.	6 in. O.D.	HPS/R	28	111	\$260	\$162	\$422
S wall of electric room-along ceiling	00-356065	30%	pipe covering	OMA	56 ft.	4 in. O.D.	HPS/R	28	111	\$500	\$312	\$812
at northwest air handling unit	00-356065	30%	pipe covering	OMA	49 ft.	4 in. O.D.	HPS/R	28	111	\$437	\$273	\$710
at southeast air handling unit	00-356065	30%	pipe covering	OMA	52 ft.	4 in. O.D.	HPS/R	28	111	\$464	\$290	\$754
S wall of electric room-along ceiling	02-356066	50%	mjp on pipe covering	OMA	3	12 in. O.D.	HPS/R	28	111	\$228	\$142	\$370
near south wall-along ceiling	02-356066	50%	mjp on pipe covering	OMA	1	6 in. O.D.	HPS/R	28	111	\$39	\$23	\$62
southeast corner-at steam header	02-356066	50%	mjp on pipe covering	OMA	1	8 in. O.D.	HPS/R	28	111	\$48	\$28	\$76
center north to south-along ceiling	02-356066	50%	mjp on pipe covering	OMA	4	6 in. O.D.	HPS/R	28	111	\$155	\$91	\$246
near south wall-along ceiling	02-356066	50%	mjp on pipe covering	OMA	5	4 in. O.D.	HPS/R	28	111	\$140	\$78	\$218
along south wall-near east duct	02-356066	50%	mjp on pipe covering	OMA	7	4 in. O.D.	HPS/R	28	111	\$197	\$109	\$306
southeast corner-at steam header	02-356066	50%	mjp on pipe covering	OMA	8	4 in. O.D.	HPS/R	28	111	\$225	\$125	\$350
center east to west-along ceiling	02-356066	50%	mjp on pipe covering	OMA	2	4 in. O.D.	HPS/R	28	111	\$56	\$31	\$87
center north to south-along ceiling	02-356066	50%	mjp on pipe covering	OMA	20	4 in. O.D.	HPS/R	28	111	\$562	\$312	\$874
at northwest air handling unit	02-356066	50%	mjp on pipe covering	OMA	15	4 in. O.D.	HPS/R	28	111	\$421	\$234	\$655
S wall of electric room-along ceiling	02-356066	50%	mjp on pipe covering	OMA	12	4 in. O.D.	HPS/R	28	111	\$337	\$187	\$524
at southeast air handling unit	02-356066	50%	mjp on pipe covering	OMA	15	4 in. O.D.	HPS/R	28	111	\$421	\$234	\$655
southeast corner-at steam header	02-356066	50%	mjp on pipe covering	OMA	2	10 in. O.D.	HPS/R	28	111	\$125	\$78	\$203
southeast corner-at steam header	02-356066	50%	mjp on pipe covering	OMA	1	12 in. O.D.	HPS/R	28	111	\$76	\$47	\$123
	02-356067	60%						28	111			
	02-356068	30%						28	111			

AREA COMMENTS

The materials are in good to fair condition with minor contact and water damage. The materials are up to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

AREA # 01	TOTAL	\$10,903	\$7,034	\$17,937
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H-K Building #: 38  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: CURT BAXTER

ASBESTOS ASSESSMENT SURVEY

Building Number: 38  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: BOTTLING  
 Year Constructed: 1968

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 14%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
east side of pasteurizer	00-356069	0%	pipe covering	OMA	150 ft.	6 in. O.D.	LPS/R	25	III	\$271	\$159	\$430
east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	7	6 in. O.D.	LPS/R	25	III			
	01-356071	40%						25	III			
	01-356072	40%						25	III			

AREA COMMENTS

AREA # 02 TOTAL \$271 \$159

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a high traffic area.

*****	AREA NUMBER: 03	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 8%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
west wall-at ceiling	00-356069	0%	pipe covering	OMA	90 ft.	4 in. O.D.	LPS/R					
along east side of pasteurizer	00-356069	0%	pipe covering	OMA	16 ft.	4 in. O.D.	LPS/R					
above east bottle line-at ceiling	00-356069	0%	pipe covering	OMA	110 ft.	4 in. O.D.	LPS/R					
above pasteurizer-along ceiling	00-356069	0%	pipe covering	OMA	230 ft.	4 in. O.D.	LPS/R					
west wall-at ceiling	01-356070	0%	mjp on pipe covering	OMA	12	4 in. O.D.	LPS/R	24	III	\$337	\$187	\$524
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	6	4 in. O.D.	LPS/R	24	III	\$169	\$94	\$263
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	1	10 in. O.D.	LPS/R	24	III	\$63	\$39	\$102
above pasteurizer-along ceiling	01-356070	0%	mjp on pipe covering	OMA	35	4 in. O.D.	LPS/R	24	III	\$983	\$546	\$1,529
along east side of pasteurizer	01-356070	0%	mjp on pipe covering	OMA	3	6 in. O.D.	LPS/R	24	III	\$116	\$68	\$184
above east bottle line-at ceiling	01-356070	0%	mjp on pipe covering	OMA	17	4 in. O.D.	LPS/R	24	III	\$478	\$265	\$743
	01-356071	40%						24	III			
	01-356072	40%						24	III			
along east side of pasteurizer	03-356073	20%	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	DW	24	III	\$155	\$91	\$246
along east side of pasteurizer	03-356073	20%	mjp on non-suspect pipe cover	OMA	1	10 in. O.D.	DW	24	III	\$63	\$39	\$102
	03-356074	20%						24	III			
	03-356075	20%						24	III			

AREA COMMENTS

AREA # 03 TOTAL \$2,364 \$1,329 \$3,693

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 30' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.



ASBESTOS ASSE T SURVEY

H-K Building #: 38  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/23/89  
 Inspector: CURT BAXTER

Building Number: 38  
 Building Name: BOTTLING HOUSE  
 SEATTLE, WASHINGTON  
 Building Type: BOTTLING  
 Year Constructed: 1968

*****	AREA NUMBER: 04	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along north wall-near east side	00-356079	30%	pipe covering	OMA	10 ft.	4 in. O.D.	LPS/R	23	III	\$89	\$56	\$145
along north wall-near east side	00-356079	30%	pipe covering	OMA	22 ft.	6 in. O.D.	LPS/R	23	III	\$286	\$178	\$464
along north wall-near east side	05-356080	30%	mjp on pipe covering	OMA	12 4	in. O.D.	LPS/R	23	III	\$337	\$187	\$524
along north wall-near east side	05-356080	30%	mjp on pipe covering	OMA	4 6	in. O.D.	LPS/R	23	III	\$155	\$91	\$246
	05-356081	40%						23	III			
	05-356082	50%						23	III			

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 2' to 10' from the floor. At a minimum, it is recommended that the materials be maintained and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 04 TOTAL \$867 \$512 \$1,379

*****	AREA NUMBER: 05	AREA DESCRIPTION: 3rd Floor	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
central air handling unit-above door	04-356076	0%	stored ceiling panels/tile	OMZ	3 sq.ft.							
	04-356077	0%										
	04-356078	0%										

AREA COMMENTS

AREA # 05 TOTAL \$0 \$0 \$0

BUILDING # 38 TOTAL \$14,405 \$9,034 \$2 19

ASBESTOS ASSE. [ SURVEY

H-K Building #: 40  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/27/89  
 Inspector: TIM SWARTZ

Building Number: 40  
 Building Name: WAREHOUSE  
 SEATTLE, WASHINGTON  
 Building Type: WAREHOUSE  
 Year Constructed: 1979

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Pasteurizer	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
south side of bottle machine-on wall	00-356176	0%	pipe covering	OMA	60	ft. 4 in. O.D.	HPS/R					
south side of bottle machine-on wall	00-356176	0%	pipe covering	OMA	55	ft. 6 in. O.D.	HPS/R					
west side of bottle machine	00-356176	0%	pipe covering	OMA	25	ft. 4 in. O.D.	HPS/R					
north side of bottle machine	00-356176	0%	pipe covering	OMA	25	ft. 4 in. O.D.	HPS/R					
south side-attached to bottle machine	00-356300	0%	pipe covering	OMA	85	ft. 4 in. O.D.	HPS/R					
south side-attached to bottle machine	00-356300	0%	pipe covering	OMA	25	ft. 6 in. O.D.	HPS/R					
south side-attached to bottle machine	01-356292	0%	mjp on pipe covering	OMA	6	4 in. O.D.	HPS/R					
south side-attached to bottle machine	01-356292	0%	mjp on pipe covering	OMA	12	6 in. O.D.	HPS/R					
	01-356293	0%										
	01-356294	0%										

AREA COMMENTS

AREA # 01 TOTAL \$0 \$0 \$0

BUILDING # 40 TOTAL \$0 \$0 \$0

ASBESTOS ASSE: SURVEY

H-K Building #: 41  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/29/89  
 Inspector: CURT BAXTER

Building Number: 41  
 Building Name: MAINTENANCE SHOP  
 SEATTLE, WASHINGTON 98134  
 Building Type: STORAGE  
 Year Constructed: UNKN

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Ceilings	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
entrance lobby	01-356627	0X	acoustical tile	OMG	220	sq.ft.						
east kitchen	01-356627	0X	acoustical tile	OMG	100	sq.ft.						
	01-356628	0X										
	01-356629	0X										
south office-at entrance	02-356630	0X	acoustical tile	OMG	120	sq.ft.						
south shop office-at west wall	02-356630	0X	acoustical tile	OMG	160	sq.ft.						
	02-356631	0X										
	02-356632	0X										
south garage office	03-356633	0X	acoustical tile	OMG	168	sq.ft.						
	03-356634	0X										
	03-356635	0X										

AREA COMMENTS

AREA # 01	TOTAL	\$0	\$0	\$0
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BUILDING # 41	TOTAL	\$0	\$0	\$0
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ASBESTOS ASSES. / SURVEY

H-K Building #: 42  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/24/89  
 Inspector: MARK VOTH

Building Number: 42  
 Building Name: POS  
 SEATTLE, WASHINGTON 98134  
 Building Type: ADVERTISE  
 Year Constructed: 1949

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Ceiling	AREA AVERAGE % ASBESTOS: 1%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
throughout	01-356313	2X	trowelled acoustical plaster	OMD	6075	sq.ft.		57	11	\$65,974	\$13,183	\$79,157
	01-356314	2X						57	11			
	01-356315	0X						57	11			
	01-356316	2X						57	11			
	01-356317	0X						57	11			
	01-356318	2X						57	11			
	01-356319	0X						57	11			

AREA COMMENTS

The material is in good to fair condition with minor contact and water damage. The material is approximately 8' to 10' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01 TOTAL \$65,974 \$13,183 \$79,157

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor-Ceiling	AREA AVERAGE % ASBESTOS: 2%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southwest room-throughout	02-356320	2X	trowelled acoustical plaster	OMD	150	sq.ft.		57	11	\$518	\$237	\$755
east room-north & south ends	02-356320	2X	trowelled acoustical plaster	OMD	900	sq.ft.		57	11	\$3,105	\$1,422	\$4,527
	02-356321	4X						57	11			
	02-356322	4X						57	11			
	02-356323	3X						57	11			
	02-356324	2X						57	11			
central area-throughout	03-356325	0X	trowelled acoustical plaster	OMD	3900	sq.ft.						
east room-central third	03-356325	0X	trowelled acoustical plaster	OMD	450	sq.ft.						
	03-356326	0X										
	03-356327	0X										
	03-356328	0X										
	03-356329	0X										

ASBESTOS ASSE: SURVEY

H-K Building #: 42  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/24/89  
 Inspector: MARK VOTH

Building Number: 42  
 Building Name: POS  
 SEATTLE, WASHINGTON 98134  
 Building Type: ADVERTISE  
 Year Constructed: 1949

AREA COMMENTS

The material is in good to fair condition with minor contact and water damage. The material is approximately 8' to 10' from the floor. At a minimum, it is recommended the material be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 02	TOTAL	\$3,623	\$1,659	\$5,282
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BUILDING # 42	TOTAL	\$69,597	\$14,842	\$84,439
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H-K Building #: 43  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/28/89  
 Inspector: VOTH & BAXTER

ASBESTOS ASSE: SURVEY

Building Number: 43  
 Building Name: NEW WAREHOUSE  
 SEATTLE, WASHINGTON 98134  
 Building Type: WAREHOUSE  
 Year Constructed: 1983

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Mezzanine-Ceiling	AREA AVERAGE % ASBESTOS: 0%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
throughout	01-356310	0%	drop or lay-in panel	OMG	3700	sq.ft.						
	01-356311	0%										
	01-356312	0%										

AREA COMMENTS

AREA # 01 TOTAL \$0 \$0 \$0

BUILDING # 43 TOTAL \$0 \$0 \$0

ASBESTOS ASSE: SURVEY

H-K Building #: 45  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/29/89  
 Inspector: C. BAXTER

Building Number: 45  
 Building Name: BRIDGE  
 SEATTLE, WASHINGTON 98134  
 Building Type: WALKWAY  
 Year Constructed: UNKN

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor-Bridge	AREA AVERAGE % ASBESTOS: 33%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
east & west length of tunnel	00-356714	40%	pipe covering	OMA	250 ft.	10 in. O.D.	LPS/R	25 III	\$4,718	\$3,493	\$8,211
east & west length of tunnel	00-356714	40%	pipe covering	OMA	80 ft.	6 in. O.D.	HPS/R	25 III	\$1,038	\$649	\$1,687
east & west length of tunnel	00-356714	40%	pipe covering	OMA	250 ft.	12 in. O.D.	HPS/R	25 III	\$5,505	\$4,233	\$9,738
east & west length of tunnel	00-356714	40%	pipe covering	OMA	4 ft.	4 in. O.D.	HPS/R	25 III	\$36	\$22	\$58
east & west length of tunnel	01-356715	60%	mjp on pipe covering	OMA	4	4 in. O.D.	HPS/R	25 III	\$112	\$62	\$174
east & west length of tunnel	01-356715	60%	mjp on pipe covering	OMA	8	12 in. O.D.	HPS/R	25 III	\$607	\$379	\$986
east & west length of tunnel	01-356715	60%	mjp on pipe covering	OMA	11	6 in. O.D.	HPS/R	25 III	\$425	\$250	\$675
east & west length of tunnel	01-356715	60%	mjp on pipe covering	OMA	6	10 in. O.D.	LPS/R	25 III	\$376	\$235	\$611
	01-356716	60%						25 III			
	01-356717	60%						25 III			
east & west length of tunnel	02-356718	10%	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	HPS/R	25 III	\$56	\$31	\$87
	02-356719	20%						25 III			
	02-356720	10%						25 III			
east & west length of tunnel	03-356727	0%	pipe covering	OMA	250 ft.	10 in. O.D.	PL				
	03-356728	0%									
	03-356729	0%									

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 4' to 9' from the floor. At a minimum, it is recommended that the materials be repaired, then monitored under a maintenance program. If removal is planned, gross removal procedures are recommended. This appears to be a high traffic area.

AREA # 01	TOTAL	\$12,873	\$9,354	\$22,227
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BUILDING # 45	TOTAL	\$12,873	\$9,354	\$22,227
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*** GRAND TOTAL	\$694,153	\$465,441	\$1,159,594
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